

Skornyakov, N.N.

Speeding of aging processes in aluminum-copper alloys by small silver and zinc additions. II. V. I. Afanarov and N. N. Skornyakov. *Trudy Inst. Metal. Akad. Nauk S.S.R., Ural. Filial* 1955, No. 16, 91-6.—The presence of a 3rd compd. in a binary supersatd. soln. may speed aging either by reducing the solv. of the solute throughout the metal or by concg. at the structural heterogeneities of the solid soln., such as grain boundaries and those of blocks of mosaic structure, the latter case being heterophilic, i.e. positively acting in respect to internal adsorption. The paper intends to det., which of these mechanisms is valid in this system. Alloys of Al and 4% Cu with and without 0.2 Ag or 0.2% Zn were forged, drawn to a wire, quenched from 620°, aged at 300-400° for 48 hrs., and examd. with x-rays. All specimens showed a full complex of lines corresponding to Al-Cu solid soln., and some of them showed the two main lines of the CuAl₃ phase at a given temp. and time. They were always seen when either Ag or Zn were present, in other words aging is more rapid when they are present suggesting their heterophilic nature. J. D. Gat

2

Metel

of

SKORNYAKOV, N.N.

Microradiographic study of internal intercrystalline adsorption of silver in an aluminum-silver alloy. V. I. Arkharov and N. N. Skornyakov. *Trudy Inst. Fiz. Metal.*, Akad. Nauk S.S.R., Ural. Filial 1955, No. 16, 97-100. — If a solvent has a low at. no. and the horophilic constituent (cf. C.A. 49, 15339a) is a heavy element, the boundary zones of a grain should absorb more x-rays than should the interior. The Al-Ag system meets these conditions. An alloy of 98.5% Al and 1.5% Ag was forged into a bar, heated 4 hrs. at 550°, and quenched. Its surface was metallographically polished, etched, and suitable areas contg. 1-mm. grains were marked with a scratch. A slice 1-2 mm. thick carrying the marked areas was cut from the sample and ground to 0.1 mm. thickness. The polished face was then cemented to a Pb plate, the marked areas coinciding with the hole in it, a photographic plate placed against the sample and exposed to x-rays passing through the hole. After being developed the film was photographed at 25 magnifications and compared with the photomicrograph of the same area taken at the same magnification. Light streaks on the x-ray photograph corresponded to grain boundaries on the photomicrograph, though they were not found at every grain boundary. Since the horophilic effect depends on the orientation of the adjoining grains, and a max. screening effect is obtained when the boundaries are perpendicular to the plane of observation, these data well fit the theory that Ag has a horophilic effect when present in Al.

2

J. D. Cat

STUDENTSOV, V.I.; SKORNYAKOV, N.V.

Reinforced mine shaft. Gor.zhur. no.5:58-59 My '56. (MIA 9:8)

1. Trest Altaysvinetsshakhtstroy.
(Leninogorsk--Shaft sinking)

SKORNYAKOV, S.

Crop rotation is the basis of an advanced agriculture. Inform.
biul. VDNKh no.12:24-26 D '64 (MIRA 18:2)

1. Glavnnyy agronom sovkhoza "Zarya kommunizma" Moskovskoy
oblasti.

SKOFNIE KOV, S.

Crop rotations in the kolkhoz "Borets" Maskva Moskovskii rabochii, 1952. 65 p.

SKORNYAKOV, S.

Potatoes

Planting potatoes in checkrows. Kolkh. proizv., 12, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

1. SKORNIYAKOV, S.M.
2. USSR (600)
4. Mustard
7. Diversified use of white mustard., Sov. agron, 10, no. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unc1.

1. SKORNYAKOV, S. M.
2. USSR 600
4. Moscow Province - Wheat
7. Wheat in Moscow Province, Sov. agron, 11, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

See Attached, Please.

Podmoskovnyy Kolkhoz "Borets" (The "Borets" Collective Farm Near Moscow)
X skva, Sel'Khoz'iz, 1954.
266 P. Illus., Ports., Tables.

SO: 527A/5
722.101
.S6

SKORNYAKOV, Sergey Mikhaylovich, agronom; KOBIN, B., redaktor; YAKOVLEVA, Ye. tehnicheskiy redaktor

[Organization of production on a consolidated collective farm; an agronomist's notebook] Organizatsiya proizvodstva v ukrupnennom kolkhoze; zamechki agronoma. [Moskva] Moskovskii rabochii, 1956. 107 p. (MLRA 10:2)

1. Kolkhoz "Borets", Bronnitskogo rayona (for Skornyakov)
(Collective farms)

SKORYAKOV, S. M.: Master Agric Sci (diss) -- "The development of a system of crop rotation and its effectiveness in the central portion of the non-chernozem belt, on the example of the 'Borets' kolkhoz, Bromitskiy Rayon, Moscow Oblast". Moscow, 1959. 18 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies (KL, № 16, 1959, 127)

SKORNYAKOV, S.M., zasluzhenny agronom RSFSR; KAMYNIN, M.I., kand. sel'-
skokhozyaystvennykh nauk

Utilizing results of soil investigations. Zemledelie 7 no.4:77-84
Ap '59. (Soil surveys) (MIRA 12:6)

SKORNYAKOV, S.M., kand. sel'skokhoz. nauk, zasluzhennyi agronom RSFSR

Improvement of agriculture and the rotations of crops. Zemledelie
(MERA 18:4)
27 no. 2:19-26 F '65.

1. Glavnnyi agronom Sovkhoza "Zarya kommunizma", Moskovskoy oblasti.

SKORNYAKOV, S. YA.

7639+40. SKORNYAKOV, S. YA. -- Opyt primeneniya uprugoy massy v prispособleniyakh dlya mekhanicheskoy obrabotki detaley. L., 1954. 21 sm. (vsesoyuz. 0-vo po rasprostraneniyu polit. i nauch. znaniy. Leningr. dom. nauch.-tekhn. propagandy. listok novatora....) 3.800 ekz. -- avt. ukazan v kontse teksta 621.9-2 & 679.5.004
vyp. 1. 12 s. s chert. (...No.35 (274)) 30 K. -- (55.649zh)
vyp. 2. 10 s. s ill. (...No. 36 (275)) 20 K. -- (54-15981 zh)

SO: Knizhnaya Letopsis', Vol. 7, 1955

SKORNYAKOV, S.Ya.

Torque measuring instruments. Izm.tekh.no.4:38-39 J1-Ag '55.
(Torsion balance) (MERA 8:10)

SKORNYAKOV, S.Ya.

Honing chuck for machining conical holes. Stan. i instr. 26
(MIRA 8:8)
no.5:28-29 My '55.
(Grinding and polishing) (Chucks)

PHASE I BOOK EXPLOITATION SOV/5676

Azarov, A. S., Candidate of Technical Sciences, Docent, ed.
Prisposobleniya dlya gruppovoy obrabotki detalej; opyt nekotorykh
leningradskikh zavodov (Equipment for Group Machining of
Machine Parts; Experience of Certain Leningrad Plants)
[Leningrad] Lenizdat, 1960. 254 p. 3,000 copies printed.

Scientific Ed.: P. I. Bulovskiy, Doctor of Technical Sciences,
Professor; Ed.: A. E. Lepin; Tech. Ed.: R. G. Pol'skaya.

PURPOSE : This collection of articles is intended for technical
personnel and skilled workers in machine and instrument plants;
it may also be used by students in schools of higher technical
education and tekhnikums.

COVERAGE: Basic principles in the design of universal, universal-
setup, and group-machining jigs and fixtures are stated. This
equipment is also considered from the standpoint of its appli-
cation in several Leningrad machine and instrument plants.

Card 1/3

Equipment for Group Machining of (Cont.)

SOV/5676

Examples are given for the grouping of parts according to shape or special processing features. Constructions for group-machining fixtures are presented, and certain problems encountered in parts machining, fixture design, and cutting regimes are discussed. Calculations relating to the economic effectiveness of various types of jigs and fixtures are included in some of the articles. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword

Mitrofanov, S. P. [Candidate of Technical Sciences, Lenin Prize Winner]. Methods of Designing Group-Machining Fixtures, and Examples of Their Application

3

5

Azarov, A. S. and S. T. Gutkin. Fixtures for Group Machining
Various Parts of Accessories

52

Card 2/3

SKORNYAKOV, Sergey Yakovlevich; SEMENENKO, P.A., inzh., red.;
SHILLING, V.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Multiple milling attachments with hydroplastic materials
operated by oleo-pneumatic boosters] Mnogomestnye frezernye
prisposobleniya s gidroplastom, deistvuiushchie ot pnevmogidro-
usilitelia. Leningrad, 1961. 9 p. (Leningradskii Dom nauchno-
tekhnicheskoi propagandy. Obmen peredovym opytom. Seria: Me-
khanicheskaya obrabotka metallov, no.21) (MIRA 14:12)
(Milling machines--Attachments)

ACC NR: AP6032009

SOURCE CODE: UR/0115/66/000/009/0082/0084

AUTHOR: Skornyakov, S. Ya.

ORG: none

TITLE: Instrument for checking helical springs

SOURCE: Izmeritel'naya tekhnika, no. 9, 1966, 82-84

TOPIC TAGS: quality control, helical spring

ABSTRACT: A new instrument has been developed for checking the length of helical springs which are used in compressor spherical valves. The light from lamp 1 (see Figure 1) is concentrated by condensor 2 and directed to screen 3 with a slit; then, the beam enters objective 4 which, via mirrors 6 and 7, projects the slit image on screen 5. The test spring K (see Figure 2) is placed between a fixed and a movable contact and closes the grid circuit of an indicator tube ("magic eye") at the instant of

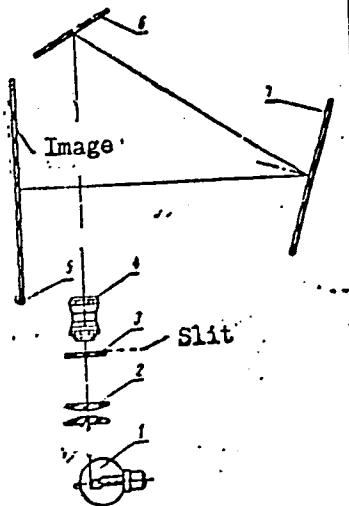
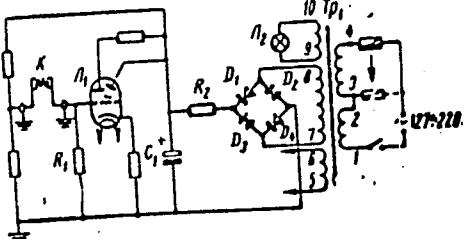


Figure 1

Card 1/2

UDC: 531.715

ACC NR: AP6032009



length measurement. Both free and loaded springs can be measured. The measurement range is 8-14.5 mm. Orig. art. has: 3 figures.

Figure 2

SUB CODE: 13, 09 / SUBM DATE: none

Card 2/2

SKORNYAKOV, V.A.
SKORNYAKOV, V.A.

Runoff in the upper Yenisey Basin. Izv. AN SSSR. Ser. geog. no.6:
98-104 N-D '57. (MIRA 11:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Yenisey Valley--Runoff)

SKORNYAKOV, V.A.

Distribution of average runoff moduli for several years in the
basin of the upper Yenisey. Meteor. i gidrol. no.8:43-44 Ag '57.
(Yenisey Valley--Runoff) (MLRA 10:8)

SKORNYAKOV, V.A.

Boris Aleksandrovich Apollon, 1889 - ; on his 75th birthday
and the 50th anniversary of his work. Meteor. i gidrol. no. 7;
57-58 '6' (MIRA 17:8)

SKORNYAKOV, V.B., kandidat tekhnicheskikh nauk.

Determination of bar stresses forged in a slotted die. Trudy Ural.
politekh.inst. no.42:87-96 '55. (MLRA 9:8)
(Strains and stresses) (Sheet-metal work)

MIKHEYEV, Valentin Aleksandrovich; YEFIMOV, L.A., inzh., retsenzent;
SKORNYAKOV, V.B., kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

[Superpressure hydraulic presses] Gidropressovye ustanovki
sverkhvysokikh davlenii. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroit.lit-ry, 1958. 117 p. (MIRA 12:1)
(Hydraulic presses)

SKORNYAKOV, V.B., kand.tekhn.nauk; RADUNSKIY, O.V., inzh.

Determining the area of the horizontal projection of the seat of
deformations caused by rolling in oval and square grooves. Trudy
Ural. politekh.inst. no.78:58-73 '60. (MIRA 14:5)
(Rolling (Metalwork))
(Deformations (Mechanics))

SKORNYAKOV, V.B., kand.tekhn.nauk

Design of horizontal forging machines with a mechanism without
connecting rods. Trudy Ural.politekh.inst. no.78:102-110 '60.
(MIRA 14:5)

(Forging machinery)

ZLATKIN, Moisey Grigor'yevich; DOROKHOV, Nikolay Nikolayevich; LEBEDEV, Nikolay Ivanovich; MAKAROV, Nikolay Yevgen'yevich; NEYSHTAT, Zyma Fal'kovich; SYCHEV, Arkadiy Mikhaylovich; SKLYUYEV, P.V., kand. tekhn. nauk, retsentsent; TASHCHEV, A.K., kand. tekhn. nauk, retsentsent; TRUBIN, V.N., kand. tekhn. nauk, retsentsent; VSHIVKOV, P.P., inzh., retsentsent; KON'KOV, A.S., inzh., retsentsent; LEBEDEV, N.S., inzh., retsentsent; POTEKUSHIN, N.V., inzh., retsentsent; TYAGUNOV, V.A., doktor tekhn. nauk, red.; SOKOLOV, K.N., kand. tekhn. nauk, red.; SKORNYAKOV, V.B., red.; YAROSHENKO, Yu.G., red.; ZAKHAROV, B.P., inzh., red.; AMIROV, I.M., inzh., red.; MYSHKOVSKIY, V.A., inzh., red.; SHELEKHOV, V.A., inzh., red.; BOGOMOLOV, O.P., inzh., red.; KATS, I.S., inzh., red.; LEVANOV, A.N., inzh., red.; DUGINA, N.A., tekhn. red.

[Handbook on forging practices] Spravochnik rabochego kuznechno-shtampovochnogo proizvodstva. By M.G.Zlatkin i dr. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 776 p.

(MIRA 14:9)

(Forging--Handbooks, manuals, etc.)

S/148/61/000/006/003/013
E193/E483

AUTHORS: Tarnovskiy, I.Ya., Levanov, A.N., Skornyakov, V.B.
Marants, B.D.

TYPE: Investigation of contact friction forces during
reduction (by forging)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Chernaya
metallurgiya. 1961, No.6, pp.53-59

ABSTRACT: When operations of the squeezing group are used to form a metal component, the working pressure required to effect the plastic deformation, the character of the metal flow and the distribution of stresses and strains depend upon the frictional forces in the area of contact between the tool and the metal being worked. Experimental determination of these forces has been the subject of many investigations in which, however, methods and equipment both complex and inaccurate have been used. In the present paper, its authors describe a simple equipment with the aid of which accurate data on the contact friction forces can be obtained, irrespective of whether static or dynamic loads are used to deform the metal. The equipment (Fig.1a) comprises a measuring block (2), split in the centre and held together by a rod (4) incorporating wire strain

Card 1/9

S/148/61/000/006/003/013

Investigation of contact friction . . . E193/E483

gauges. The measuring block is placed horizontally between the upper (3) and lower (1) plates of a sub-press assembly, so that two test pieces (shown in the diagram by cross-hatching), placed on either side of the measuring block, can be simultaneously deformed. The test pieces must be placed precisely in line and, in the case of cylindrical specimens, a jig (shown in Fig.1b) is used for this purpose. In both the upper and lower heads pins (6 and 7), sliding freely in their bushes, are inserted. One end of each pin is in contact with the test piece, the other presses against a measuring rod (5 and 8), also equipped with wire strain gauges. The position of the measuring block can be changed with the aid of an adjusting pin (9). When pressure is applied to the sub-press, assembled as shown in Fig.1a, the normal forces in the area of contact between the measuring block and the two test pieces balance each other. The sum of the two friction forces is transmitted onto the measuring rod (4). Consequently, the rod is under the action of a force which is twice the contact friction force, acting in a given part of the contact area whose magnitude depends upon the position of the test piece in relation to the plane of contact of two halves of the measuring block. The pressure exerted on the

Card 2/9

S/148/61/000/006/003/013

Investigation of contact friction ... E193/E483

test pieces is transmitted by the pins (6 and 7) onto the measuring rods. Pressure and friction forces are recorded with the aid of an oscilloscope. This method can be used for measuring the contact friction forces both during flat deformation and during compression of cylindrical specimens deformed at various rates of strain. By varying the distance S between the centres of the test pieces and the parting plane of the measuring block, the integrated contact friction force can be determined as a function of S and tangential stresses at any point of the contact area can be calculated. In the case of flat, rectangular test pieces, the calculation consists of differentiation of the experimentally determined relationship between the integrated friction force and S . The treatment becomes more complex for a cylindrical test piece, axially compressed. In this case, the relationship between the tangential stresses and the experimentally determined equivalent force $F(s)$ acting on the segment determined by the distance S (Fig.2) is given by

$$F(s) = 2 \int_{rK}^R \int_{\varphi_0}^{\frac{\pi}{2}} \tau(r)r \sin \varphi dr d\varphi \quad (1)$$

Card 3/9

S/148/61/000/CC6/003/013

Investigation of contact friction ... E193/E483

where r and φ are the polar coordinates of points on the contact area, $\tau(r)$ is the sought function of the distribution of the tangential stresses along the radius of the contact area and r_K is the current value of the radius determining the boundary of a given segment along the cord. A method of solving this equation is given and applied to experiments in which the contact friction forces were measured during axial compression of cylindrical lead specimens of 36 mm diameter and 36, 12, 6 and 3 mm high. Thirty tests were carried out for each d_0/h_0 ratio, where d_0 and h_0 denote the diameter and height of the specimens, respectively. The specimens were compressed to approximately 12% reduction in thickness at a strain rate of 6 mm/min. The surface finish of the measuring instrument was ∇_0 . The results are reproduced graphically. Those obtained for specimens with $d_0/h_0 = 1$ are shown in Fig.4, where F (kg, left-hand scale, curve 1), τ (kg/mm², right-hand scale, curve 2) and pressure p (kg/mm², right-hand scale, curve 3) are plotted against S (mm). The results obtained for specimens with $d_0/h_0 = 12$ are shown in the same manner in Fig.7. The results of the present

Card 4/9

S/148/61/000/006/003/013

Investigation of contact friction ... E193/E483

investigation confirmed the earlier views (Ref.9: I.Ya.Tarnovskiy, A.A.Pozdeyev, O.A.Ganago. "Deformation and forces in pressure forming of metals", Mashgiz, 1959) on the relationship between the friction forces and the geometry of the deformed specimens and on the distribution of these forces in the contact area. They also confirmed the fact (Ref.10: A.I.Tselikov, Stal', 1958, No.5) that the contact friction forces increase as the d_0/h_0 of the specimen increases. There are 7 figures and 10 Soviet references.

ASSOCIATION: Ural'skiy politekhnicheskiy institut
(Ural Polytechnical Institute)

SUBMITTED: May 4, 1960

Card 5/9

S/032/61/027/004/023/028
B103/B201

AUTHORS: Skornyakov, V. B. and Levanov, A. N.

TITLE: Special strikers (boyek) for testing the frictional forces
in plastic settling (osadka)

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 4, 1961, 470-471

TEXT: The authors have developed special strikers with a measuring block, which serve for determining full frictional forces and the distribution of tangential stresses over the contact surface in plastic settling (Fig. 1). The following procedure is suggested: two identical samples (cylinders or parallelepipeds) are settled, with one sample being placed on the lower striker 1, and the other on the measuring block 2 immediately above the former sample. The upper striker 3 is placed from above. An accurate superposition of the two samples is achieved by a paired prismatic pattern (Fig. 16). The measuring block consists of two halves which are kept together by a dynamometer needle (siloizmeritel'naya shpil'ka) 4. Wire strain gauges are glued onto this needle. The pressures arising between the block as well as between the lower and upper sample balance, ✓

Card 1/5

S/032/61/027/004/023/028
B103/B201

Special strikers (booyek) for ...

whereas the frictional forces sum up and are transmitted via the block halves onto needle 4. In this manner, the needle receives the frictional forces arising on two equal contact surfaces. These normal pressures in equilibrium cause the block halves to be also, among other things, elastically deformed in the direction of the axis of needle 4. With a view to eliminating the effect of these deformations upon the frictional force to be measured, the authors have worked out a design of the block (Fig. 2), that leaves a clearance δ at the contact of the halves, which is larger than the value of the total elastic deformation. δ must be, however, narrow enough, so as to prevent the metal from flowing in. The inserted pins 5 (Fig. 1) permit an elevation adjustment of the block for samples of different sizes. The two strikers 1 and 3 are equipped with measuring pegs 6 and 7 for the measurement of normal pressures. They transmit the pressures onto the measuring rods 8 and 9, where wire strain gauges are also glued on. The magnitude of frictional force and the pressure on the two pegs 6 and 7 are recorded by an oscilloscope at every instant of settling. The curve showing the total frictional force F as a function of the magnitude of displacement S (Fig. 1 a) is obtained by the displacement of the center of the samples with respect to the contact

Card 2/5

S/032/61/027/004/023/028
B103/B201

Special strikers (boyek) for ...

plane of the block halves. The mathematical interpretation of the resulting dependence $F(S)$ allows the determination of magnitude and distribution of tangential stresses over the contact surface. In case of a flat deformation this interpretation bases upon the differentiation of the exponential curves obtained. It is complicated in cylindrical samples and requires cumbersome calculations. The said interpretation is considerably simplified by using a measuring block with annular joint (Fig. 3). A set of inserts and half-rings of different sizes is needed to determine the total frictional force as a function of the magnitude of the inside diameter of the annular plane. A block with a cantilever arrangement of the dynamometer needle is suited for tests of frictional forces on hot steel. The needle is in this case at some distance from the hot samples, and the operation part may be thin. The effect of normal pressures on the block is thus reduced. The authors' tests have proved that durable results can be achieved by their method and their design. There are 3 figures. ✓

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S. M. Kirova
(Ural Polytechnic Institute imeni S. M. Kirov)

Card 3/5

SHVEYKIN, V.V., prof., doktor tekhn. nauk; SKORNYAKOV, V.B., assistant,
kand. tekhn. nauk

Principles of the modern theory of deformation and stresses in
cross rolling and screw rolling. Sbor. nauch. trud. Ural.
politekh. inst. no.122:243-253 '61. (MIRA 17:12)

21

SHURAVLEV, Mikhail Vasil'yevich; SKORNYAKOV, Venedikt Borisovich;
LEDNEV, M.P., retsenzent; GUBASHEV, N.I., red.; SKOROBOGACHEVA,
A.P., red.izd-va; MATLYIK, R.M., tekhn. red.

[Cleaning and finishing of rolled products] Otdelka prokata.
Sverdlovsk, Metallurgizdat, 1962. 215 p. (MIRA 16:2)
(Rolling (Metalwork)) (Metals—Finishing)

SVEIKIN, V.V. [Shveykin, V.V.]; SKORNEAKOV, V.B. [Skornyakov, V.B.]

Use of the optical polarization method in the study of the
deformations and tensions in transversal lamination. Analele
metalurgie 16 no.4:122-129 O-D '62.

SKORNYAKOV, Vladimir Il'ich; AYNZAFT, Yu.S., red.

[Sea breams and their fishing] Morskie karasi i ikh pro-
mysel. Moskva, Pishchevaiia promyshlennost', 1964. 34 p.
(MIRA 17:10)

PROSVIROV, Ye.S.; SKORNYAKOV, V.I.; BATAL'YANTS, K.Ya. Prinimali
uchastiye: VOLYA, G.S.; PENTYUKHOV, V.I.; SHMONINA, M.V.
PASHCHINSKAYA, G., red.izd-va; NIKOLAYEVA, T., tekhn.red.

[Commercial and some noncommercial fishes of the western
coast of Africa (from the Levrier Bay to the Gulf of Guinea);
textbook for fishery workers] Promyslovye i nekotorye nepro-
myslovye ryby zapadnogo poberezh'ia Afriki (ot bukhty Levrie
do Gvineiskogo zaliva); posobie dlia promyslovikov. Kalinin-
grad, 1961. 175 p. (MIRA 15:2)

1. Konigsberg. Baltiyskiy nauchno-issledovatel'skiy institut
morskogo rybnogo khozyaystva i okeanografii. 2. Baltiyskiy
nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva
i okeanografii (for Prosvirov, Skornyakov, Batal'yants).
(Atlantic Ocean--Fishes)

SKORNYAKOV, V.I.

Characteristics of the distribution and state of the abundance of
bank herring in the Norwegian Sea in 1959. Trudy BaltNIRO no.7:
50-58 '61. (MIRA 15:2)

(Norwegian Sea--Herring)

SKORNYAKOV, V.M.

Yawing of the anchored ship. Meteor. i gidrol. no. 4:48-49
Ap '61. (MIRA 14:3)
(Ocean currents) (Anchorage)

SKORNYAKOV, V.M.

Lightweight attachable floats of a new design. Meteor.i gidrol.
no.7337 J1 '61. (MIRA 14:6)
(Oceanographic instruments)

LNU 7-65 EMA(n)/EMI(n) DM
REF ID: A25000031

8/09/65/018/023/0200/0301

Y. I. Slobodchikov, A. D. Izmaklina, A. S.; T. S. V. V.

TYPE: Radioactive fallout in the far eastern shore of the Pacific in 1962-1963

SOURCE: Atomnaya energiya, v. 18, no. 3, 1965, 300-301

TOPIC: Radioactive fallout, atmospheric contamination

ABSTRACT: The methods for gathering, processing, and determining the beta activity of dry fallout and atmospheric precipitation were described in "Radioaktivnye zemnye vneschnye srady" [Radioactive Contamination of An External Medium], Zemnye vneschnye srady (Radioactive Contamination of the Ground Surface), Sov. Atomizdat 1962). The precipitation was gathered monthly with the aid of a precipitation meter of 200 cm² surface. The contamination of the surface layer of the ground was determined daily by a suitably calibrated field gamma radiometer. The results gathered at four points on the far eastern shore of the Pacific were averaged. Plots are presented of the monthly fission-products fallout and radioactive contamination of the ground surface, of the time variation of the ratio of the intensities of fallout at various points after cessation of the influx of fission

Card 1/2

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ACCESSION NR: AP5009131

sign products in the stratosphere, and of the dependence of the degree of retention of fission products in the ground surface layer on the age of the fission products and the amount of atmospheric precipitation. The values calculated for the average energy of the beta radiation of the fallout in the fall of 1962 and in the fall of 1963 amounted to 1.0 and 1.4 MeV, respectively, which agrees with the published data. The effects of absorption of radioactive energy of different elements in the ground surface layer are briefly discussed. Orig. eng. 1963; 3 figures and 1 table.

TYPE: Report

LEVEL: CO

SUB CODE: NP, DC

DATE: 07/14/64

OTHER: CO1

PUB. CODE: CO3

Cust: 1278

KHOMUTOV, N.Ye.; SKORNYAKOV, V.V.; FADEYEVA, T.P. (Moscow)

Effect of the electrode material on the electrolytic reduction
of streptomycin to dihydrostreptomycin. Zhur. fiz. khim. 38
no.1:102-107 Ja'64. (MIRA 17:2)

1. Khimiko-tehnologicheskiy institut imeni Mendeleyeva.

KHOMUTOV, N.Ye.; SKORNYAKOV, V.V.

Electroreduction of oxygen in sulfate solutions of streptomycin. Zhur. fiz. khim. 38 no.2:342-344 F '64. (MIRA 17:8)

1. Moskovskiy khimiko-tehnologicheskiy institut imeni Mendeleyeva.

KHOMUTOV, N. Ye.; SKORNYAKOV, V.V.; BELIK, V.V.

Kinetics of the electrolytic reduction of streptomycin on
various metals. Zhur. fiz. khim. 39 no. 1:222-227 Ja '65
(MIRA 19:1)

1. Khimiko-tehnologicheskiy institut imeni D.I. Mendeleyeva,
Moskva. Submitted February 25, 1964.

20 AUG 1986, 06000000, 945,

1. Subject and nature of reduction in authority reduction in
2. Organization: Institute of Physics, Saratov, Russia, 34 Na. 10.2.01-2405 0
(MRA 18.12)
3. Date:

4. Naukovskiy i tekhnicheskii nauchno-issledovatel'skiy institut imeni
5. Employees. Subord. since 11. 1984.

SKONOREKHOV, [Ya. M.]

"Concerning the Treatment of Foot-and-Mouth Disease". Sov. vетеринария, 1950, No 11-12. (Bibliography for Article Foot and Mouth Disease by A. J. Skonorekhov. State Publishing House for Agricultural Literature, Moscow/Leningrad, 1947.)

pp: 111(25), 11 January 1952 p 490

SKORNYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootechnical Institute, vol. V, 1944, In the
collected works are published the articles by:

SKORNYAKOV, YA. M. Disinsectalin as an antiparasitic remedy in the struggle
against skin parasites of animals.

So: Veterinariya; 26; 7; July 1949; Uncl.
TABCON

SKORNYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootechnical Institute, vol. V, 1943. In the collected works are published the articles by:

SKORNYAKOV, YA. M. On the diagnosis of helminthous invasions of the 'forestomach' gland in cattle.

So: Veterinariya; 26; 7; July 1949; Unc1.
TABCON

SKORNYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootechnical Institute, vol. V, 1948. In the collected works are published the articles by:

SKORNYAKOV, YA. M. Use of alcohol in diseases of the digestive tract in fowl.

So: Veterinariya; 26; 7; July 1949; Uncl.

TABCON

SKORNYAKOV, YA. M.

Works of the Alma-Ata Veterinary-Zootechnical Institute, vol. V, 1948. In the collected works are published the articles by:

SKORNYAKOV, YA. M. On verification of the immunity in inoculated sheep with the brucellosis aspernin-vaccine.

So: Veterinariya; 26; 7; July 1949; Uncl.
TABCON

SKORNYAKOV, Ya.M., prof.

Materials on electrocardiography in sheep and changes in its
indices effected through the central nervous system. Trudy AZVI
9:205-206 '56. (MIRA 15:4)

1. Iz kafedry klinicheskoy diagnostiki (zav. kafedroy - doktor
prof. Ya.M. Skornyakov) Alma-Atinskogo zooveterinarnogo instituta.
(Electrocardiography) (Sheep-Physiology) (Nervous system)

SKORNYAKOV, Ya. M., prof.

Professor M. I. Ivanov, Honored Scientist of the Kazakh S.S.R. on
the thirtieth year of his scholarly and public activity. Trudy
AZVI 10:583-585 '57. (MIRA 12:8)
(Ivanov, Maksim Ivanovich, 1895-)

SERGEYEV, N.N.; YEL'CHINSKIY, A.I.; EL'KIND, I.L.; KUVAYTSEV, A.A.
SKORNYAKOV, Yu.G.

Accelerated development and methods of mining. Gor. zhur.
no. 11:24-30 N '60. (MIRA 13:10)

1. Kazgiprosvetmet, Ust'-Kamenogorsk.
(Kazakhstan--Copper mines and mining)

L 20751-66 EWA(h)/EWP(c)/EWP(k)/EWT(d)/EWT(m)/EWP(h)/ETC(m)-6/ETC(f)/EWG(m)/T/EWP(i)

ACC NR: AP6009625 EWP(e)/EWP(v)/EWP(f) SOURCE CODE: UR/0182/66/000/003/0001/0003

IJP(c) AT/WH/JD/HW/JG

AUTHOR: Zhivov, L. I.; Semenov, Yu. N.; Skornyakov, Yu. N.; Shmakov, G. S.

52

51

B

ORG: none

TITLE: Investigation of hot compacting and extrusion of sintered copper-boron nitride alloy

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 3, 1966, 1-3

TOPIC TAGS: copper alloy, boron nitride containing alloy, alloy compacting, hot compacting, sintered alloy, alloy extrusion

ABSTRACT: Electrolytic copper powder PM-2 mixed with 1, 2, 3, 4, or 5% boron nitride was compacted under 4 t/cm^2 pressure into briquettes 38 mm in diameter and 30 mm high. Briquettes were sintered at 920C for 2 hr in ammonia gas and extruded at 700, 800, or 900C to 12, 16, and 20 mm in diameter, i. e., with respective extrusion ratios $\epsilon = 2.41, 1.87, \text{ and } 1.39$. With these reductions the bars had a density of 98%. Lower reduction ($\epsilon = 1.2$) produced bars with 95% density, whose electric conductivity was found to be lower. Examination of the microstructure and hardness tests of alloys annealed at 300—800C showed that recrystallization of copper-boron nitride alloys proceeds much slower than that of copper. Sintered copper underwent a complete recrystallization in two hours at 800C, while copper-boron nitride alloys still had the deformation texture. The alloys with a high content of boron nitride require a high

Card 1/2

UDC: 621.984.5

L 20751-66
ACC NR: AP6009625

extrusion pressure. This can be explained by the recrystallization delaying effect of the dispersed boron-nitride phase. High-quality extrusions from this alloy can be obtained by extrusion at 820-880C with ratios of at least 2.0 for alloys with 2% boron nitride, or at least 2.4 for alloys with 2-5% boron nitride. Orig. art. has: 3 figures. 1.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001/ ATD PRESS: 4224

Card 2/2

SKOGLYAKOV, Yu.T.

Third Plenum of the Central Administration of the Scientific
Technological Society of Nonferrous Metallurgy held in Moscow
Oct. 23, 1964. TSvet. met. 38 no.2:93 F '65.

(MIRA 18:3)

SKORNIAKOV, Yu.P.

The IV Plenum of the Central Administration of the Scientific
Technological Society for Nonferrous Metallurgy. Gor. zhir.
(MIRA 18:5)
no.4/76-77 Ap '65.

1. Uchenyy sekretar' Tsentral'nogo pravleniya Nauchno-tehnicheskogo
obshchestva tehnicheskoy metallurgii.

KRYSENKO, N.S.; POZNYAKOV, V.Ya.; GAZARYAN, L.M.; ZADOV, Ye.B.;
KADYRZHANOV, K.K.; KUZ'MIN, A.V.; TROITSKIY, A.V.; LEZGINTSEV, G.M.;
METROFANOV, S.I.; SOLOV'YEV, V.Ya.; SOBOL', S.I.; MYAGKOVA, T.M.;
GAYLIT, A.A.; GENIN, N.N.; GRATSERSHTEYN, I.M.; SKORNYAKOV, Yu.T.,
referent

Fourth plenum of the central administration of the Scientific
Technological Society for Nonferrous Metallurgy. TSvet. met.
(MIRA 18:6)
38 no.5:90 My '65.

1. Chlen TSentral'nogo pravleniya Nauchno-tehnicheskogo obshchestva
tsvetnoy metallurgii i zavod "Ukrts'ink" (for Krysenko). 2. Chlen
TSentral'nogo pravleniya Nauchno-tehnicheskogo obshchestva tsvetnoy
metallurgii i "Severonikel'" (for Poznyakov). 3. Institut metallur-
gii im. Baykova (for Gazaryan). 4. Predsedatel' soveta Nauchno-
tekhnicheskogo obshchestva Kol'chuginskogo zavoda OTsM (for Zadov).
5. Chlen TSentral'nogo pravleniya Nauchno-tehnicheskogo obshchestva
tsvetnoy metallurgii, Sovet narodnogo khozyaystva Kazakhskoy SSR
(for Kadyrzhakov). 6. Predsedatel' gorno-geologicheskoy sektsii
TSentral'nogo pravleniya Nauchno-tehnicheskogo obshchestva tsvetnoy
metallurgii; Gosudarstvennyy komitet Soveta Ministrov RSFSR po
koordinatsii nauchno-issledovatel'skikh rabot (for Kuz'min).
7. Chlen TSentral'nogo pravleniya Nauchno-tehnicheskogo obshchestva

(Continued on next card)

KRYSENKO, N.S.--- (continued) Card 2.

tsvetnoy metallurgii, Sovet narodnogo khozyaystva SSSR (for Troitskiy). 8. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Lezgintsev). 9. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Mitrofanov, Sobol', Genin). 10. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov (for Slob'yev). 11. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (for Myagkova). 12. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Gaylit).

SKURDINOV, V. G.

Formerly Chairman of the Central Committee of the Trade Union of
Metalworkers. (Bulet. no. 38 no. 7195-96,3 of cover 31 '65.
(MIRA 18:8)

SKORNYAKOVA, A., zasluzhennyj uchitel' professional'no-tehnicheskogo
obrazovaniya RSFSR

Extent of student participation in class. Prof. tekhn. obr. 21
no. 4:9-12 Ap '64. (MIRA 17:5)

1. Galichskoye sel'skoye professional'no-tehnicheskoye uchilishche
No.2, Kostromskaya oblast'.

AL'PEROVICH, Iosif Simonovich; VARENIK, Anastasiya Nikolayevna;
SKORINYAKOVA, Ella Samoylovna; GARVIN, L.I., red.; CHUNAYEVA,
Z.V., tekhn. red.

[First aid in traumatic shock and terminal states] Skoraia me-
ditsinskaia pomoshch' pri travmatischeeskem shoke i terminal'-
nykh sostoianiiakh; opyt Leningradskoi stantsii skoroi pomoshchi.
Leningrad, Medgiz, 1961. 51 p. (MIRA 15:4)

(SHOCK) (DEATH, APPARENT)
(FIRST AID IN ILLNESS AND INJURY)

SKORNYAKOVA, L.K.

Improvements in day nurseries. Pediatriia, Moskva No.1:40-42 Jan-
Feb 51. (CIML 20:6)

1. Head of the Department of Nurseries and Children's Homes of
the Administration Therapo-Prophylactic Aid to Children of the
Ministry of Public Health USSR.

SKORNYKOVA, L.K.; STANTS0, Ye.I.

Brief news. Vop. okh.mat. i det. l no.1:95-96 Ja-F '56. (MIRA 9:9)
(PUBLIC HEALTH) (ABORTION)

SKORNYAKOVA, L.K.

Care for the health of orphans. Vop. okh. mat. i det. 2 no. 5:53-59
(MIRA 10:12)
S-0 '57.

1. Nachal'nik Upravleniya lechebno-profilakticheskoy pomoshchi
deteyam i materyam Ministerstva zdravookhraneniya RSFSR.
(ORPHANS AND ORPHANAGES)

BUBNOVA, M.M., prof., otv.red. (Moskva); ORIGOR'YEVA, N.N., otv.red. (Moskva); LIBOV, A.L., prof., otv.red. (Leningrad); SKORNYAKOVA, L.K., otv. red. (Moskva); TUR, A.Y., prof., otv.red. (Leningrad); LYUDKOVSKAYA, N.I., tekhn.red.

[Transactions of the All-Russian Conference of Pediatricians on Problems in "Pneumonia and Antibiotics"] Trudy Vserossiiskoi nauchnoi konferentsii detskikh vrachei po problemam "Pnevmoniia" i "Antibiotiki". Otv.red. M.M.Bubnova i dr. Moskva, Gos.izd-vo med.lit-ry, 1959. 215 p.

1. Vserossiyskaya nauchnaya konferentsiya detskikh vrachey po problemam "Pnevmoniya" i "Antibiotiki." Moscow, 1957. 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Tur).

(PEDIATRICS--CONGRESSES) (PNEUMONIA) (ANTIBIOTICS)

SKORNYAKOVA, L.K. (Moskva)

Organization of medical care for women and children in Finland.
Zdrav. Ros. Feder. 4 no.6:37-41 Je '60. (MIRA 13:9)
(FINLAND-WOMEN-MEDICAL CARE)
(FINLAND-CHILDREN-MEDICAL CARE)

GRIGOR'YEVA, N.N., otv.red.; BUBNOVA, M.M., prof., red.(Moskva); VLASOV, V.A., prof., red. (Moskva); SKORNYAKOVA, L.K., red. TUR, A.F., zasl. deyatel' nauki, prof., red.(Leningrad); ROMANOVA, Z.A., tekhn. red.

[Transactions of the First All-Russian Congress of Pediatricians]
Trudy Pervogo Vserossiiskogo s"zda detskikh vrachei. Otv.red.N.N. Grigor'eva. Red.koll.: M.M.Bubnova i dr. Moskva, Gos.izd-vo med. lit-ry, 1961. 308 p.

(MIRA 14:12)

1. Vserossiiskiy s"yezd detskikh vrachey, 1st, Moscow, 1959. 2. Zamestitel' ministra zdravookhraneniya RSFSR (for Grigor'yeva). 3. Nачal'nik Upravleniya lechebno-profilakticheskoy pomoshchi materyam i detyam Ministeterstva zdravookhraneniya RSFSR (for Skornyakova). 4. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Tur).
(PEDIATRICS--CONGRESSES)

SKORNYAKOVA, L.K.

Immediate problems in the health protection of children. *Pediatria*
no.1:3-7 '62. (MIRA 15:1)
(CHILDREN—CARE AND HYGIENE)

SKORNYAKOVA, L. K.,

"The organization of the medical service for the benefit of the Soviet infant population"

report to be submitted for the 1st Intl. Conference on Living Conditions and Health in the Mediterranean and Black Sea Basin (IMA), Palermo, Italy, 17-20 Oct 63

STUDENIKIN, M.Ya.; SKORNYAKOVA, L.K.

Current problems in pediatrics. Pediatriia 42 no.1:3-7
Ja'63. (MIRA 16:10)
(PEDIATRICS)

SKORNYAKOVA, L.K., red.; BODYAZHINA, V.I., prof., red.; BARTOL'S, A.V., red.

[Ways of decreasing perinatal mortality; transactions] Puti snizheniya perinatal'noi smertnosti; trudy. Pod red. V.I. Bodiazhinoi i L.K. Skorniakovoi. Moskva, Meditsina, 1964. (MIRA 17:6) 31 p.

1. Simpozium po bor'be s perinatal'noy smertnost'yu, Moscow, 1962.

SlobodYAKOV, I.K., red.

[Experience in medical service for children] Cijet medi-
tsinskogo obsluzhivaniia detei. Moskva, Meditsina, 1964.
(MIRA 17:8)
77 p.

DOMBROVSKAYA, YU.F., prof.(Moskva), otv. red.; GROMBAKH, S.M., prof, prof., red.; ISAYEVA, L.A., dots (Moskva), red.; NOSOV, S.D., prof., red.; PONOMAREVA, P.A., prof., red.; SKORNYAKOVA, L.K., red.; SOKOLOVA, K.F., prof., red.; SOKOLOVA-PONOMAREVA, O.D., prof., red.; TUR, A.F., prof., red.; KHOKHOL, Ye.N., prof., red.; ISAYEVA, L.A., red.

[Transactions of the Eighth All-Union Congress of Pediatricians] Trudy VIII Vsesoiuznogo s"ezda detskikh vrachei. Moskva, Meditsina, 1964. 530 p. (MIRA 17:8)

1. Vsesovuznyy s"ezd detskikh vrachey. 8th, Kiev, 1962.
2. Zaveduyushchaya kafedroy detskikh bolezney AMN SSSR, Deystvitel'nyy chlen AMN SSSR (for Dombrovskaya).
3. Zamestitel'direktora Instituta pediatrii AMN SSSR (for Nosov).
4. Zamestitel' nachal'nika upravleniya spetsializirovannoy meditsinskoy pomoshchi Ministerstva zdravookhraneniya SSSR (for Skorniyakova).
5. Glavnnyy pediatr Ministerstva zdravookhraneniya RSFSR (for Sokolova).
6. Deystvitel'nyy chlen AMN SSSR (for Sokolova-Ponomareva).
7. Predsedatel' Vserossiyskogo obshchestva detskikh vrachey, Deystvitel'nyy chlen AMN SSSR (for Tur).
8. Zaveduyushchiy kafedroy detskikh bolezney Kiyevskogo meditsinskogo instituta, Chlen-korrespondent AMN SSSR (for Khokhol).

SKORNYAKOVA, E.S.

Use of neuroleptic substances in the early prevention and treatment
of traumatic shock under first aid conditions. Vest.khir. 86
no.2:32-37 '61. (MIRA 14:2)

1. Iz Leningradskoy stantsii skoroy pomoshchi (gl. vrach -
V.N. Golyakov, nauchn. rukovoditel' - prof. A.N. Berkutov)
(SHOCK) (FIRST AID IN ILLNESS AND INJURY)
(PSYCHOPHARMACOLOGY)

KRIVOLUTSKIY, A.Ye.; KRAIN, V.Y.; Prinimali uchastiye: VOSKRESENSKIY, S.S.;
SKORYANOVA, L.A.; KUZ'MINSKAYA, K.S.

Geographical zonality of principal exogenous processes. Zhizn' Zem. (MIRA 15:6)
no.1:85-90 '61.
(Physical geography)

Country : USSR
Category : Human and Animal Physiology.
 Blood Circulation. Vessels.
Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106479

T

Author : Skorayakova, L. P.
Institut. : All-Union Society of Anatomists, histologists,*
Title : The Significance of Reduced Blood Circulation
 in Ligations of Large Blood Vessels of the Ab-
 dominal Cavity.
Orig. Pub. : Sb. nauchn. rabot Sverdl. otd. Vses. o-va
 anatomov, gistolologov i embriologov, 1957, vyp.
 2, 70-73
Abstract : Sudden ligation (in 2 dogs) of the abdominal
 aorta and of the vena cava below the renal ves-
 sels caused paralysis of the caudal portion of
 the body and anuria. Death followed 20-24 hours
 later. Gradual ligation of the same vessels (in
 4 dogs), performed in two steps (stenosis of
 the abdominal aorta and the vena cava, and liga-
 tion of these vessels at the same level one
 month later), did not destroy the functions of
 posterior extremities. This operation did

Card: 1/2
*and Embryologists, Sverdlovsk Branch.

SKORNYAKOVA, L. P., Cand Med Sci -- "Ligation of the ~~peritoneal~~
aorta above the renal arteries with ~~creating~~^{the experimental creation} to the
kidneys an additional collateral blood circulation, under
~~kidneys~~^{of a superimposed} experiment." Perm', 1961. (Perm' State Med Inst) (KL,
8-61, 264)

- 521 -

SKORNYAKOVA, M.N., assistent

Diagnosis and therapy of some forms of amenorrhea. Akush. i
gin. 39 no.4:29-33 Jl-Ag'63 (MIRA 16:12)

1. Iz kafedry akusherstva i ginekologii (zav. - doktor med. nauk I.I. Benediktov) Sverdlovskogo meditsinskogo instituta ginekologicheskoy kliniki Instituta okhrany materinstva i mladenchestva (dir.-kand.med. nauk R.A.Malysheva) i endokrinologicheskogo otdeleniya (zav. - prof. Ye.I.Kvater) Instituta akusherstva i ginekologii (dir. - prof. O.V.Makeyeva) Ministerstva zdravookhraneniya RSFSR.

SKORYAKOVA, N. S.

Dissertation: "Configuration and Properties of 9, 10-Octadecenoic Acids and Their Esters." Cand Chem Sci, Odessa State U, Odessa, 1953. Referativnyy Zhurnal--Khimiya, Moscow, No 13, Jul 54.

SO: SUM No. 356, 25 Jan 1955

SKORNYAKOVA, N. S.

1248. The determination of 1:2-dichloroethane. I.
F. I. Trishin, E. G. Mal'cova and N. S. Skornyakova,
Trudy Odessk. Istitut. Khim. 1955, 3, 103-111.
Ref. Zhur. Khim. 1956, Abstr. No. 26,017.—A
study has been made of the determination of 1:2-
dichloroethane (I) by reduction with metallic Na
(II) in ethyl, isobutyl or isopropyl alcohol and in
ethanediol. The determination was carried out in
acetic acid by the action of Ca and Mg, and also by
alcoholic KOH, by catalytic hydrogenation on a
skeletal nickel catalyst in the presence of alcoholic
KOH, and by the action of alcohols on II. The
experiments showed that the action of alkali or an
alcoholate in all alcohols on warming is to split off
Cl from I; the higher the b.p. of the alcohol, the
greater is the percentage of Cl replaced, but it is
impossible to remove Cl completely, even by boiling
for 10 hr. The action of II as an alcoholate causes
removal of Cl from I to proceed more rapidly than
the action of alkali soln. Hydrogenation of I in the
presence of a skeletal nickel catalyst proceeds more
rapidly with hydrogen obtained by the action of
II on alcohol than with molecular hydrogen, and is
the most rapid method for determining Cl in I
(95% of Cl in 20 min.; increasing the duration of the
experiment does not improve the results).

C. D. WOPKIN

Skornyakova, N. S.

✓ Configuration and properties of unsaturated acids and
their derivatives. IV. Oxidation of octadecenoic acids
and their esters with benzoyl hydroperoxide. A. K.
Pilov and N. S. Skornyakova (Univ. Odessa). Zhar.
Obshch. Khim. 26, 57-60 (1956) (Engl. translation); cf. C.A. 48, 128744; 50,
3384c. —Oxidation of octadecenoic acid derivs. was run in
Me₂CO with BzO₂H at 10.4° and 20°. The results shown
graphically indicate that oleic and petroselinic acids are
oxidized more rapidly than elaidic and petroseladic acids.
The Me esters are oxidized less rapidly than the free acids,
while 2-naphthyl esters are less rapidly attacked than the
Me esters. The decline of reaction rate in passing from
acids to esters is more pronounced for elaidic than oleic
derivs. Reaction of 2-C₁₇H₃₅OH with the acyl chloride in
presence of pyridine gave 2-naphthyl oleate, b₁ 285-9°, and
2-naphthyl elaidate, m. 34°, b₁ 285-95°; only the former
could be prep'd. from the acyl chloride and 2-C₁₇H₃₅OK.

G. M. Kosolapoff

SKORNYAKOVA, N.S.,
DUDKIN, M.S., kand. tekhn. nauk; SKORNYAKOVA, N.S., kand. khim. nauk.

Fractional crystallization of whale oil acids with urea. Masl.-zhir.
(MIRA 11:4)
prom. 24 no.3:19-21 '58.

1. Odesskiy tekhnologicheskiy institut imeni I.V. Stalina.
(Whale oil) (Acids, Fatty) (Urea)

DUDKIN, M.S.; SKORNYAKOVA, N.S.

Investigating collactivit obtained from by-products of the groat
industry. Izv.vys.ucheb.zav.;khim. i khim.tekh. 4 no.4:693-694
'61. (MIRA 15:1)

1. Odesskiy tekhnologicheskiy institut imeni I.V.Stalina, kafedra
organicheskoy khimii.
(Collactivit)

DUDKIN, M.S.; SKORNYAKOVA, N.S.; SHKANTOVA, N.G.

Action of nitric acid on polysaccharides in grain hulls and
capsules. Zhur.prikl.khim. 34 no.10:2320-2327 O '61.
(MIRA 14:11)

1. Kafedra organicheskoy khimii Odesskogo tekhnologicheskogo
instituta imeni I.V.Stalina.
(Nitric acid) (Polysaccharides)

DUDKIN, M.S.; SUKANTOVA, N.G.; SKORNYAKOVA, N.S.; RYZER, V.V.

Chemical composition and hydrolysis of the hemicelluloses
of pea and soybean hulls. Biokhim. zem. i khlebopach.
no.7;202-208 '64. (MIRA 17:9)

1. Odesskiy tekhnologicheskiy institut imeni Lomonosova.

L 27635-66 EWT(1) SCIB DD

ACC NR: AP6018430 (A,N) SOURCE CODE: UR/0325/65/000/003/0125/0129

AUTHOR: Dudkin, N. S.; Shkantova, N. G.; Khait, S. Z.; Skornyakova, N. S.

ORG: Department of Organic Chemistry, Odessa Technological Institute (Kafedra
organicheskoy khimii Odesskogo tekhnologicheskogo instituta)

TITLE: Sea algae¹ Cystoseira and Cladophora as raw materials for obtaining simple
sugars and yeasts for feed

SOURCE: Nauchnyye doklady vyschey shkoly. Biologicheskiye nauki, no. 3, 1965, 125-129

TOPIC TAGS: algae, yeast, polysaccharide, hydrolysis, protein, polymerization

ABSTRACT: The article describes the hydrolysis of polysaccharides of the
sea algae Cystoseira and Cladophora and estimates the efficiency of growing
yeasts for feed (strains Kr-9 and SD-10) on the hydrolysates. The greatest
yield of biomass was with SD-10. The yeasts obtained were dark in color,
morphologically normal, but somewhat smaller than ordinary yeast grown
on Rider's medium. "Raw" protein content ranged from 40.62 to 51.56%, with
the higher percentage observed in yeasts grown on Cladophora hydrolysate.
The biomass of dry yeasts obtained from one ton of raw material ranged from
40 to 52 kg. Cystoseira and Cladophora contain from 37 to 52% polysacchar-
ides; this corresponds to 42-58% of monosaccharides in the hydrolysates

Card 1/2

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after complete polymerization of the polysaccharides. For an average yeast yield of 50% of the reducing substances, every ton of absolutely dry algae can serve as the source of 210-290 kg of absolutely dry yeasts. Since Cystoseira and Cladophora contain 11% nitrogenous substance, supplementary enrichment with protein is called for. Orig. art. has: 7 tables. JPRS

SUB CODE: 06, 07 / SUBM DATE: 02Sep64 / ORIG REF: 005

Card 2/2 CU

Skornyakova, N. S.

USSR/ Geology - Petrography

Card 1/1 Pub. 22 - 42/49

Authors : Skornyakova, N. S.

Title : Mineralogical composition of deposits in the submerged depression along the western shores of the Central Caspian Sea

Periodical : Dok. AN SSSR 101/3, 553-556, Mar 21, 1954

Abstract : Seventy-eight quantitative analyses were made to determine the mineralogical composition of deposits extracted from the underwater depression of the western shores of the Caspian Sea. The results obtained are tabulated. Seven USSR references (1935-1953). Drawings.

Institution : Acad. of Sc., USSR, Inst. of Geol. Sc., Geol. Sea Expedition

Presented by : Academician D. I. Shcherbakov, December 1, 1954

SKORNIAKOV, N. S.

✓ Mineralogical composition of sediments of the subaqueous slope of the littoral in the Middle Caspian Sea. N. S. Skorniakov. *Doklady Akad. Nauk S.S.R.* 101, 633-6 (1955).

78 mech. analyses were performed, with detns. of magnetite, ilmenite, pyrite, epidote, micas, amphibole, actinolite, augite, diopside, tourmaline, rutile, zircon, kyanite, staurolite, sillimanite, chlorite, glaucocite, apatite, calcite, and dolomite. The 4 typical provinces of ferrigenous deposits are (1) amphibole-epidote-magnetite rocks; (2) mica-epidote rocks; (3) magnetite + stable mineral deposits; (4) augite-epidote sediments. Province 1 extends to a depth of 30 to 50 m. under the water surface in the northern parts of the mapped area, with quartz and much feldspar as light minerals. Province 2 is found in depths of 15 to 30 m. in the north and 100 to 180 m. in the southern area, with pyrite and limonite in the heavy, with much quartz and feldspar and brecciated rock detritus in the light fractions. Province 3 is observed in depths of 18 to 20 m. with stable minerals (garnets, rutile, tourmaline, zircon) + magnetite and ilmenite; some glaucocite in the light fractions, shells, and oölitic. Province 4 is a sand in 12 to 18 m. depths, with augite (rarer diopside) + epidote, much limonite, and brecciated effusive rock detritus, clays, etc. An intense study of the material of the fluvialite sediments, transported into the Caspian Sea, shows very characteristic interrelations of the petrologic type of the river deposits to the provinces; a map is given which shows the hydrodynamic currents of sedimentation, e.g., with the center of the outflow of River Samur and some smaller rivers. Special convection currents along the coast of Dagestan influence the areas of the provinces.

W. Eitel

Skornyakova, N. S.

USSR/Geology

Card 1/1 Pub. 22 - 42/59

Authors : Skornyakova, N. S.

Title : About the Quaternary period history of the Caspian Sea

Periodical : Dok. AN SSSR 102/2, 351-353, May 11, 1955

Abstract : Geological data are given regarding the history of the Quaternary period of the Caspian Sea. Five USSR references (1948-1954). Table; graphs.

Institution : Acad. of Sc., USSR, Inst. of Geol. Sc.

Presented by : Academician D. I. Shcherbakov, December 3, 1954

SKORNYAKOVA, N. S.

USSR/Geology - Tectonics

Card 1/1 Pub. 22 - 42/54

Authors : Solovyev, V. F., and Skornyakova, N. S.

Title : Tectonic scheme of the underwater dip of the western shore of the central part of the Caspian Sea

Periodical : Dok. AN SSSR 102/5, 1009-1012, June 11, 1955

Abstract : Geological data are presented regarding the tectonic structure of the underwater depression in the western shore line of the central Caspian Sea. Seven USSR references (1934-1954). Drawing.

Institution :

Presented by : Academician N. S. Shatskiy, January 19, 1955

SHIREY, V.A., otv. red.; SKORNYAKOVA, N.S., red.

[Materials on oceanographic research; research ship "Vitiaz": Pacific Ocean, October 1958 - March 1959] Materialy okeanologicheskikh issledovanii; ekspeditsionnoe sudno "Vitiaz": Tikhii okean, oktiabr' 1958 g. - mart 1959 g. Moskva. No.4. [Bottom sediments] Donnye otlozheniya. (MIRA 14:11) 1961. 41 p.

1. Akademiya nauk SSSR. Institut okeanologii.
(Pacific Ocean—Sediments (Geology))

Papers submitted for the 10th Pacific Science Congress, Honolulu, Hawaii 21 Aug-6 Sep 1961.

AKHIEV, G. V., BENDUKA, L. V., ZHUKOVICH, N. L., TANOV, A. G., TALIKH, M. I., VASIL'YEV, A. A., and ZELENIN, G. G. "On the relief of the Pacific Ocean and its cartographic representation" (Section VII.A)

ANDREEV, A. P., Institute of Zoology, Academy of Sciences USSR - "Ketopodidae of the Arctic and the Pacific Oceans" (Section III.C)

ANDREEV, P. P., and SOKOLOV, N. S., Institute of Oceanology - "The carbonate concretions of the Pacific Ocean" (Section VII.C.1)

APRILEV, V. V., G. D. (Name blurred, but may be APRILEV, V. V.), Institute of Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry - "Melt of sulfur in buried, following, is appropriate" (Section VII.C)

APRILEV, K. V., Institute of Oceanology - "Discontinuity (list) layer and petrographic data" (Section VII.C)

BALAKHTIN, L. N., Institute of Earth Physics (Section VII.C)

BALAKHTIN, O. N., Institute of Earth Physics (Section VII.C) "The character of processes and ruptures in the earthquake focus of the Pacific seismic zone" (Section VII.C.2)

BATURIN, V. V., Institute of Oceanology - "On the Pacific origin of the Anomidae family" (Section III.C)

BACHURIN, A. M., Tadzhik State University - "On the wave processes in the waters of the Pamir" (Section VII.C.3)

BERKSEN, K. V., Institute of Oceanology - "On the transformation of the plankton of the Pacific drift and in the adjacent waters" (Section III.C)

BRONOV, V. V. and RUDOMO, M. M., Institute of Earth Physics (Section VII.C.4) "Some specific features in the geographic distribution of abyssal pelagic shrimps (Amphipoda)" (Section III.C)

BRODINSKII, S. S., Institute of Oceanology - "New charts of optical lines and the character of tidal phenomena in the Pacific Ocean" (Section VII.C.5)

BRODINSKII, V. G., BELYAEV, K. V., and VITIMOV, A. M., Institute of Oceanology - "The distribution of the population biomass in the Pacific Ocean" (Section III.C)

BRODINSKII, O. F., Institute of Geology Exploitation of Combustible Materials - "On diagnostic changes in bottom sediments from the central part of the Pacific" (Section VII.C.1)

BRODINSKII, A. G., Institute of Geology Exploitation of Combustible Materials - "On the distribution of mineral resources in the equatorial basin of the Tertiary period in the area of Kamchatka and the Sadohais Island" (Section VII.C.2)

PRODUTCH, S. V., and ZARIPOV, V. D., Institute of Oceanology - "Some chemical features of sediments and ground solutions pertaining to the latter in the Pacific (materials on the northern part)" (Section VII.C.3)

BRODOV, V. A., Institute of Oceanology - "A study of equatorial currents in the water" (Section VII.C.4)

BUDUMOV, V. M., and BIRILO, V. S., Institute of Oceanology - "The formation of air masses in the northern part of the Pacific Ocean" (Section VII.C.5)

BUDUMOV, V. D., Institute of Oceanology - "The regions of formation and transition sources of anti-cyclones in the northern part of the Pacific Ocean" (Section VII.A)

SKORUJKOVA, A.S.